FIG. 1

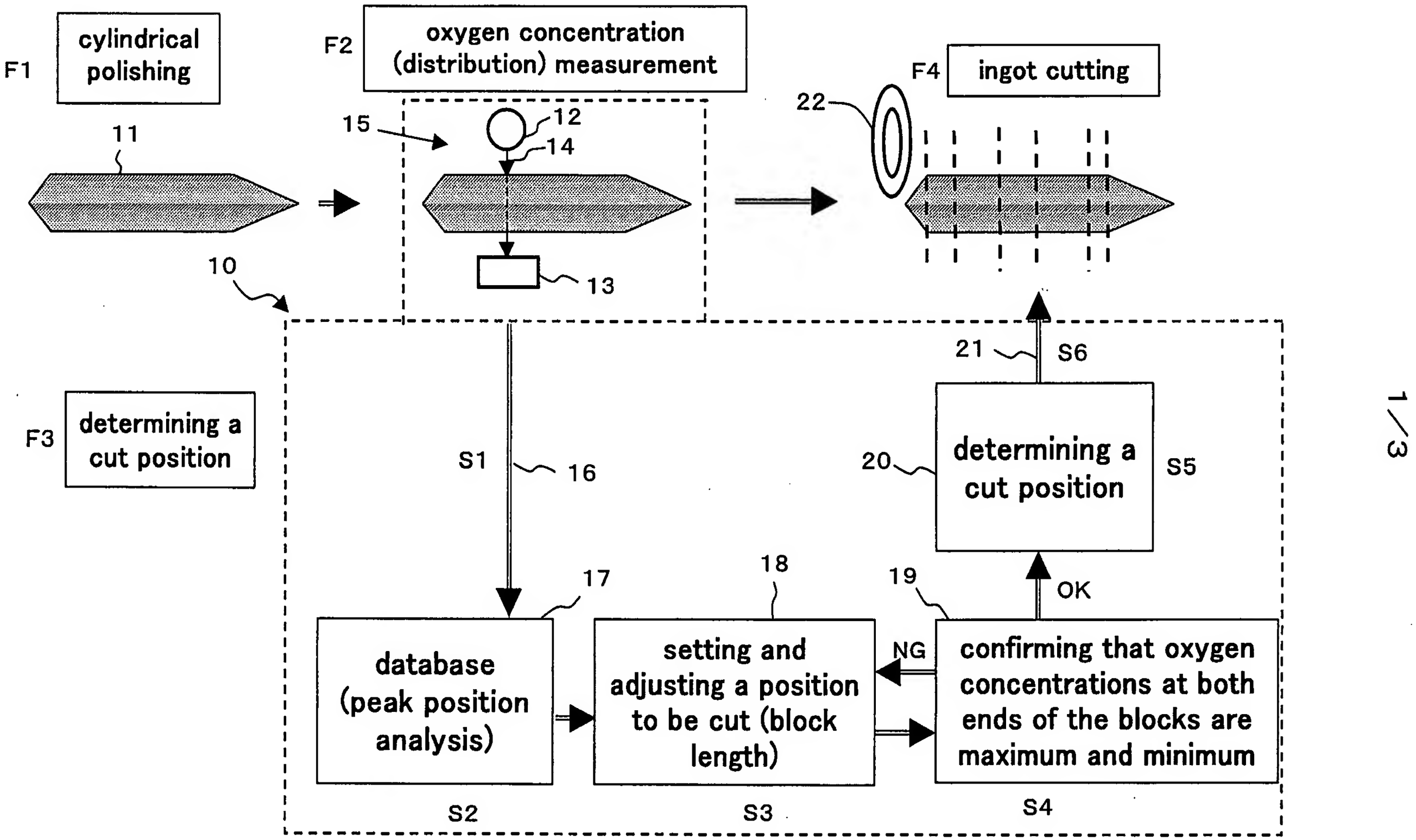

F1
cylindrical polishing
F2
oxygen concentration (distribution) measurement
F4
ingot cutting
F3
determining a cut position
11
12
13
14
15
22
10
21
S6
S1
16
20
determining a cut position
S5
17
18
19
OK
database (peak position analysis)
setting and adjusting a position to be cut (block length)
NG
confirming that oxygen concentrations at both ends of the blocks are maximum and minimum
S2
S3
S4
automatically processing according to system

FIG. 2

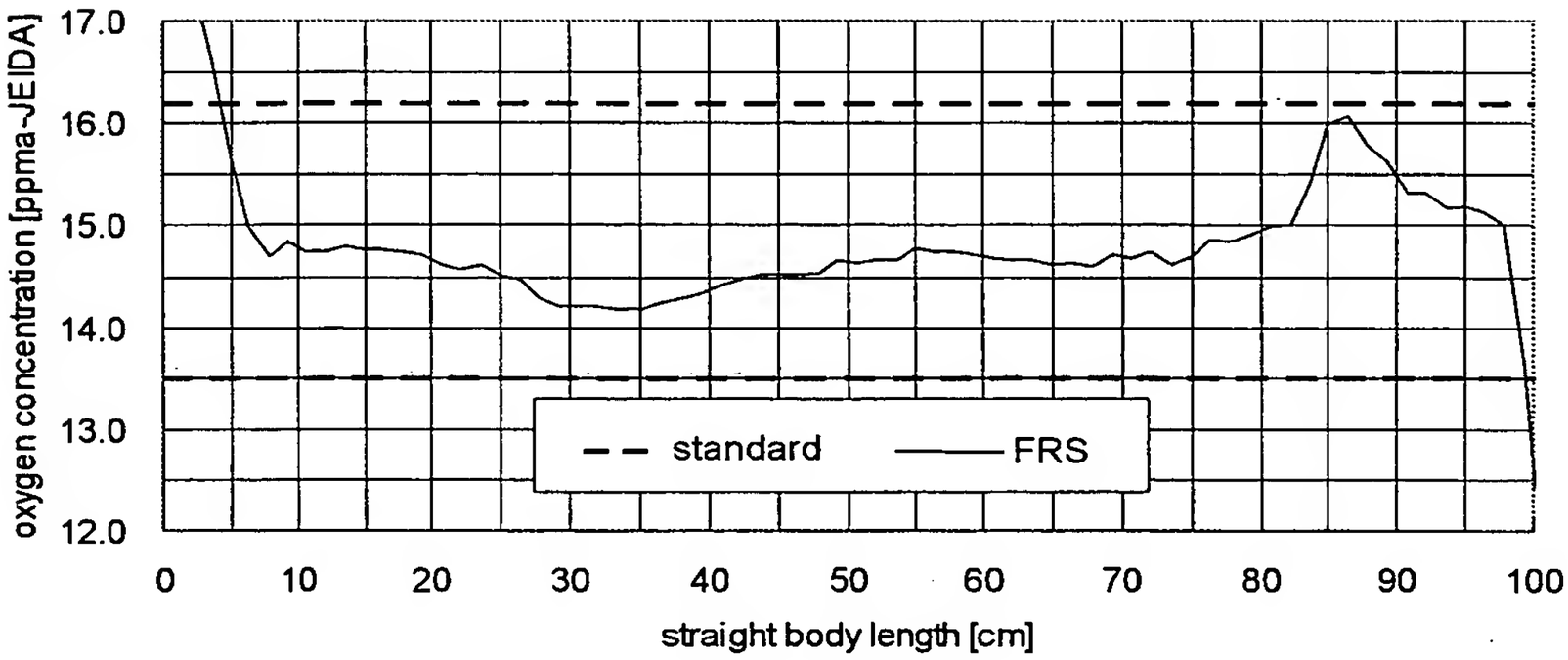


FIG. 3

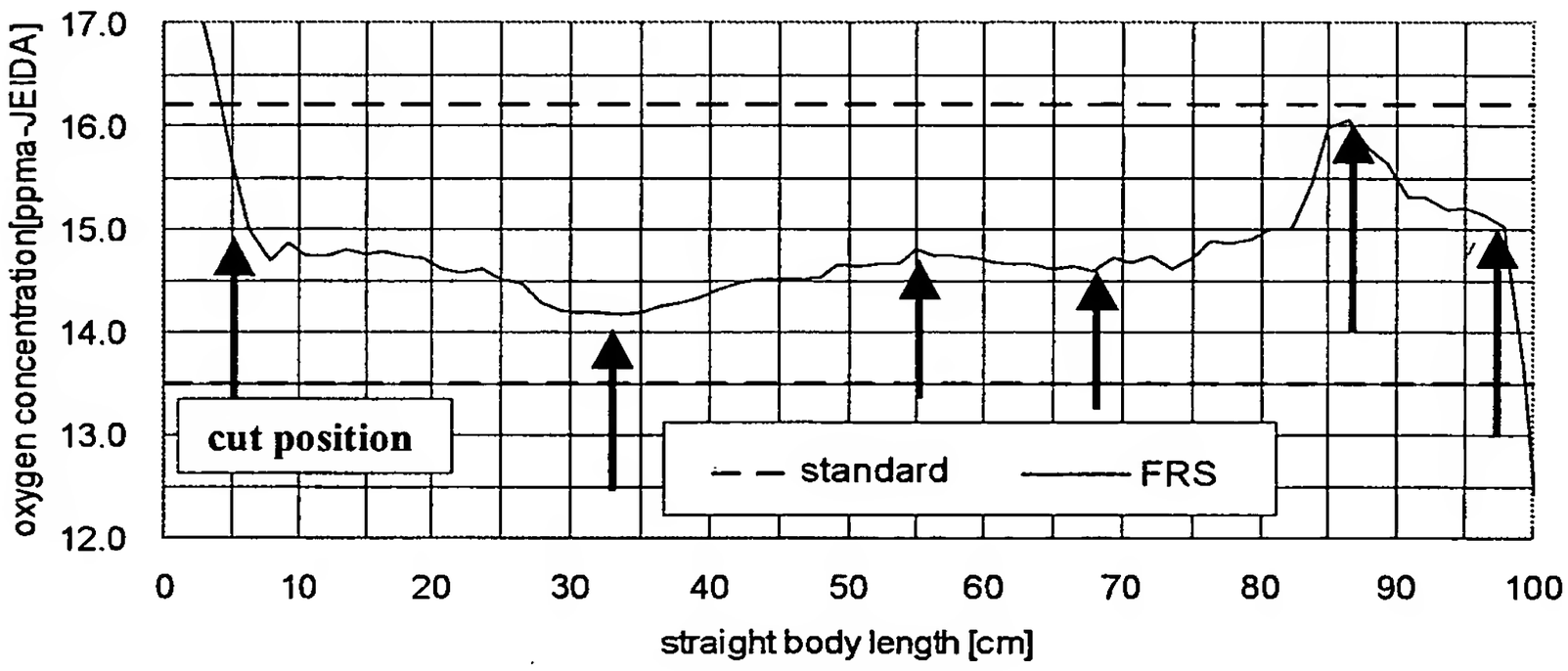


FIG. 4

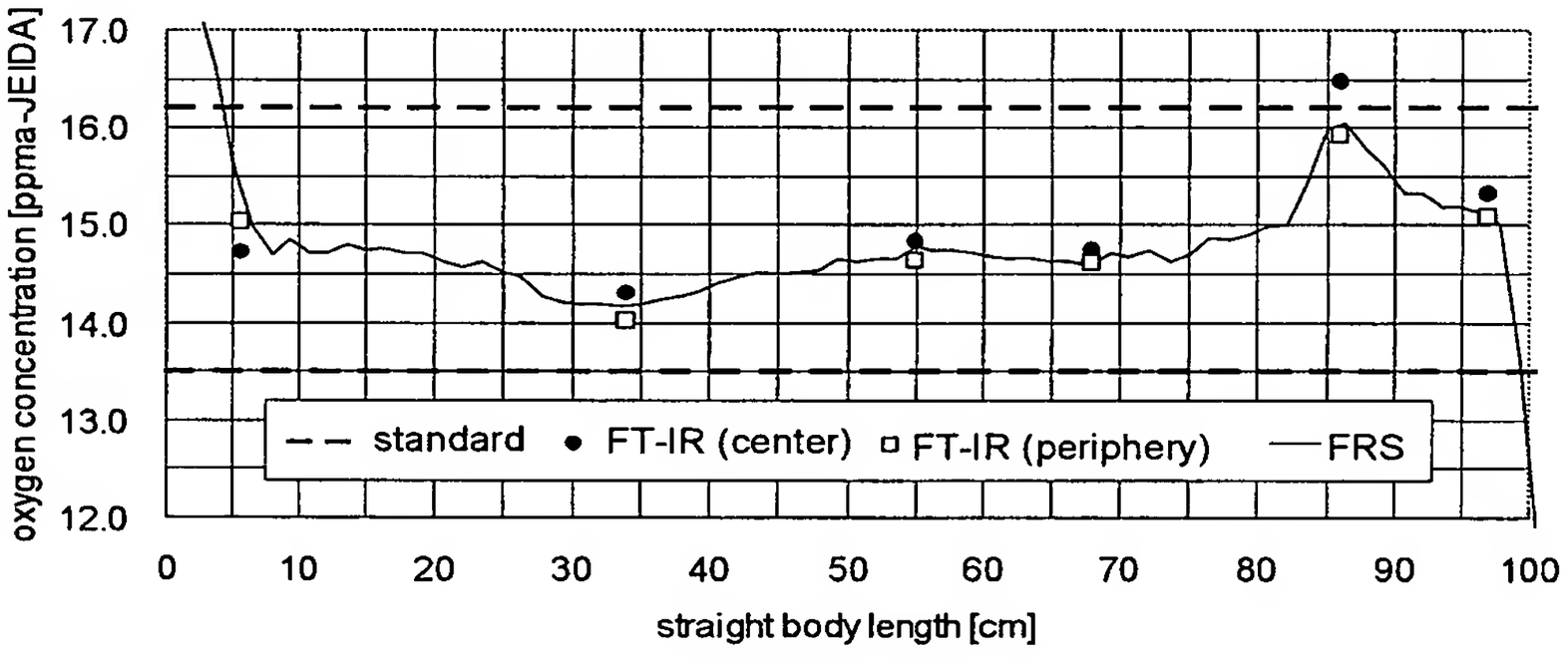
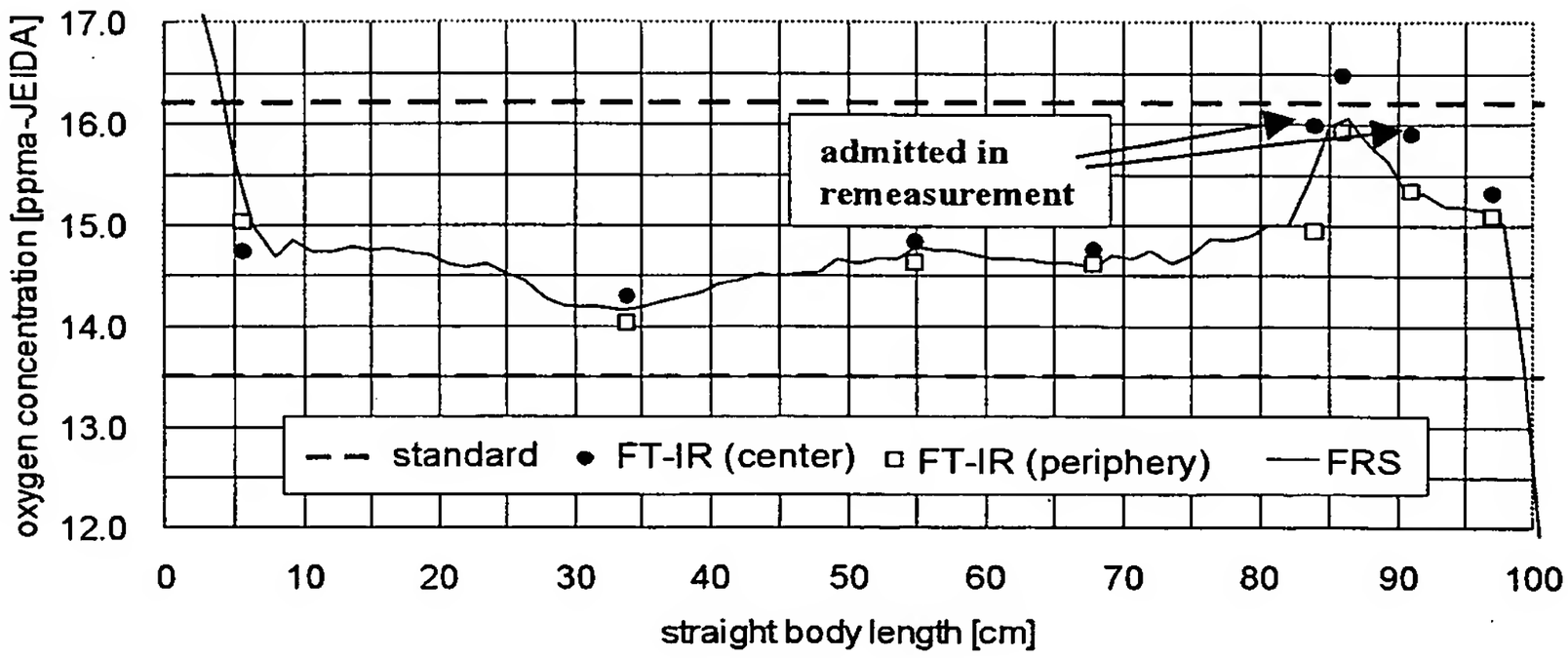


FIG. 5


oxygen concentration [ppma-JEIDA]
17.0
16.0
15.0
14.0
13.0
12.0
admitted in remeasurement
standard
FT-IR (center)
FT-IR (periphery)
FRS
0
10
20
30
40
50
60
70
80
90
100
straight body length [cm]